Biography
As a founding faculty member of Wake Forest’s new undergraduate program in engineering, chemical engineer Michael Gross gets to feed two passions: his love for science and his fascination with the philosophy of teaching. He has been a standout in both areas, receiving the prestigious National Science Foundation’s Faculty Early Career Development (CAREER) Program Award in 2017. The prize provides him with $500,000 in funding over five years to study high-powered fuel cell technologies. It also honors junior faculty who are noted teacher-scholars, integrating research and education. He also received the 2015 Wake Forest University Innovative Teaching Award.

Areas of Expertise
Inorganic Chemistry, Chemical Engineering, Green technologies, Student motivation and motivation theory in STEM courses, High-powered fuel cell technologies, Composite engineering, Materials engineering and processing, Materials Chemistry, Solid state materials for electrochemical energy conversion, Multifunctional ceramic composites for solid oxide fuel-cell electrodes, Activity-level, or situational, student motivation in STEM courses and practical course design, Adsorption calorimetry

Education
University of Pennsylvania
Ph.D. Chemical and Biomolecular Engineering

University of Pennsylvania
M.S. Chemical and Biomolecular Engineering

Bucknell University
B.S. Chemical Engineering

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